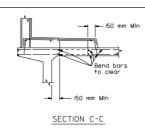


1999

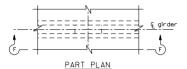
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600 mm Dia opening

■19 ×× 2.5 mm

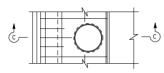


Nearest support

=13 ☐ [

GIRDER STEM ACCESS OPENING

DETAIL U4I



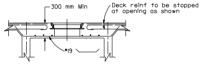
PART PLAN
SIDEWALK ACCESS OPENING
DETAIL U42

NOTES

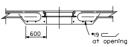
300 mm Min

750 mm Max

- I. For exact location of openings see other sheets.
- Location and size of manholes may be modified as directed by the Engineer, provided minimum dimensions are maintained.
- All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.



SECTION D-D



SECTION E-E

NOTE Where m

Where manhole is located adjacent to a diaphragm or abut, substitute Half Section E-E on one side of Section E-E.



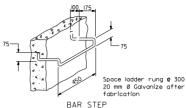
PART PLAN

HALF SECTION E-E

DECK ACCESS OPENING

€ girder

DETAIL U43



LADDER RUNG DETAILS

DETAIL U44



TOP OF MANHOLE COVER



NON-ROCKING MANHOLE FRAME & COVER

FOR DECKS DETAIL U45

NOTES

- The manhole frame and cover shall be made of gray cast iron. Mass for payment is 200 kg.
- All parts of the manhole frame and cover expect machined surfaces shall be coated with asphaltum paint.
- The manhole frame and cover shall be tested for accuracy of fit and shall be marked in sets before delivery. The cover shall fit the frame snugly but not tightly.
- Covers for use on sewer structures shall bear the letters "S"; on storm drain structures the letter "D"; on openings for utilities the letter "U".
- The mass shall not vary more than ten percent from the mass for payment.
- Step inserts may be substituted for the standard step detail. Step inserts shall comply with State Industrial Safety requirements.

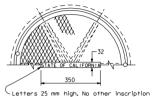


DIST COUNTY ROUTE FLOMETER POST SHEET TOTAL TOTAL PROJECT NO. SHEETS

PLAN APPROVED THE TOTAL PROJECT NO. SHEETS

JULY 1, 1999

PLANS APPROVED DATE
The State of Cultivario or its officers or opports about no be reaposable for the accuracy shows the project of t



to appear on exposed surfaces.

TOP OF MANHOLE FRAME & COVER



SECTION THROUGH FRAME & COVER

MANHOLE FRAME & COVER FOR SIDEWALKS

DETAIL U46

NOTE

Frame and cover shall be cast iron mass for payment is 110 kg.

Galvanize complete assembly after fabrication.

The mass shall not vary more than ten percent from the mass for payment.

Cover shall be supplied with bolt down or locking devices.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

UTILITY DETAILS

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

B7-11